



[illegible]

-	422	((398/33,23,24,195,154,155,158,162,209).CCLSPAT; and clock\$1	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 16:46
-	411	((398/33,23,24,195,154,155,158,162,209).CCLSPAT; and clock\$1) and optical	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 16:46
-	1060648	transmit\$4 and receiv\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 16:47
-	411	((398/33,23,24,195,154,155,158,162,209).CCLSPAT; and clock\$1) and (((398/33,23,24,195,154,155,158,162,209).CEB\$; and clock\$1) and optical)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 16:47
-	367	((398/33,23,24,195,154,155,158,162,209).CCLSPAT; and clock\$1) and optical) and (transmit\$4 and receiv\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 16:48
-	2403818	serial\$4 or parallel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 18:02
-	204	((398/33,23,24,195,154,155,158,162,209).CCLSPAT; and clock\$1) and optical) and (transmit\$4 and receiv\$3)) and (serial\$4 or parallel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 17:32
-	17	4267590.URPN.	USPAT	2003/09/25 16:52
-	4288	(first adj fiber\$1) and (second adj fiber\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 17:32
-	3047	((first adj fiber\$1) and (second adj fiber\$1)) and optical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 17:32
-	849	((first adj fiber\$1) and (second adj fiber\$1)) and optical) and (error or fault)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 17:33
-	673	(transmit\$4 and receiv\$3) and (((first adj fiber\$1) and (second adj fiber\$1)) and optical) and (error or fault))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 17:33
-	0	398/33,23,24,195,154,155,158,162,209 and (((transmit\$4 and receiv\$3) and (((first adj fiber\$1) and (second adj fiber\$1)) and optical) and (error or fault))) and (serial\$4 or parallel))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:26
-	450	((transmit\$4 and receiv\$3) and (((first adj fiber\$1) and (second adj fiber\$1)) and optical) and (error or fault))) and (serial\$4 or parallel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 17:33

-	47342	serial\$4 near2 parallel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 18:02
-	569	(serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 18:02
-	392	((serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 18:02
-	73	((((serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))) and clock) and ("PLL" or (phase adj lock adj loop\$1) or (phase with lock with loop\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/25 18:03
-	2	(((((serial\$4 near2 parallel) and (optical adj (transmitter\$1 or receiver\$1))) and clock) and ("PLL" or (phase adj lock adj loop\$1) or (phase with lock with loop\$1))) and (first adj fiber\$1) and (second adj fiber\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 08:15
-	66	((("5793510") or ("5710650") or ("5400360") or ("5544319") or ("4715028") or ("5136410") or ("5706112") or ("4979185") or ("4225752") or ("4554673") or ("5812295") or ("5898512") or ("5999570") or ("6583903") or ("6433904") or ("6166839") or ("4694504") or ("5255111") or ("5299044") or ("5459607") or ("5541759") or ("5561542") or ("5673130") or ("5717510") or ("5999570") or ("4586186") or ("6498670") or ("6201909") or ("4473901") or ("4631718") or ("5267068") or ("5473636") or ("5187605") or ("5541759") or ("6411408")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 12:04
-	22	((("5793510") or ("5710650") or ("5136410") or ("4979185") or ("6583903") or ("6433904") or ("5561542") or ("5999570") or ("5706112") or ("4201909")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 09:04
-	15	("4833668"   "4856093"   "4989200"   "5124828"   "5191462"   "5311346"   "5473457"   "5793511"   "5905585"   "5926297"   "5930414"   "5936753"   "6295272"   "6339489"   "6396606").PN.	USPAT	2003/09/26 08:40
-	29	("4694471"   "4995101"   "5018142"   "5311346"   "5504609"   "5532864"   "5557439"   "5602669"   "5671156"   "5680238"   "5696615"   "5712932"   "5715076"   "5726784"   "5745582"   "5784184"   "5798855"   "5808760"   "5808766"   "5938309"   "5940439"   "5969840"   "6031644"   "6040933"   "6115157"   "6181450"   "6185022"   "6226296"   "6233077").PN.	USPAT	2003/09/26 08:44
-	11	("4930139"   "5355133"   "5357284"   "5400023"   "5432799"   "5438590"   "5537422"   "5546190"   "5602669"   "5646966"   "5745582").PN.	USPAT	2003/09/26 08:49
-	5	5793510.URPN.	USPAT	2003/09/26 08:52
-	10	("4064360"   "4123624"   "4637011"   "4908823"   "4947406"   "4977582"   "5612953"   "5715274"   "5761253"   "5793510").PN.	USPAT	2003/09/26 08:52

-	2	("5162937"   "5224183").PN.	USPAT	2003/09/26 08:54
-	5	5710650.URPN.	USPAT	2003/09/26 08:55
-	3	("5291326"   "5500756"   "5539557").PN.	USPAT	2003/09/26 08:56
-	5	("4957340"   "5043981"   "5161153"   "5367396"   "5404241").PN.	USPAT	2003/09/26 08:57
-	3	("4797556"   "4899043"   "4994675").PN.	USPAT	2003/09/26 08:58
-	12	5136410.URPN.	USPAT	2003/09/26 08:58
-	4	((("5898512") or ("5018142"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 09:04
-	5	("4957340"   "5043981"   "5161153"   "5367396"   "5404241").PN.	USPAT	2003/09/26 10:24
-	844	398/33,23,24,195,154,155,158,162,209.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:26
-	91	398/33,23,24,195,154,155,158,162,209.ccls. and (parallel with serial\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:26
-	73	(398/33,23,24,195,154,155,158,162,209.ccls. and (parallel with serial\$4)) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:47
-	44705	transmission with loss	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:48
-	651941	compensat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:48
-	9737	(transmission with loss) and compensat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:52
-	4288	(first adj fiber\$1) and (second adj fiber\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:48
-	185	((transmission with loss) and compensat\$3) and ((first adj fiber\$1) and (second adj fiber\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:48
-	4870	((transmission with loss) and compensat\$3) and optical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:49
-	174919	serial\$3 and parallel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:49

-	1385	((transmission with loss) and compensat\$3) and (serial\$3 and parallel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:49
-	461769	clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:49
-	689	((transmission with loss) and compensat\$3) and (serial\$3 and parallel) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:50
-	18	((transmission with loss) and compensat\$3) and ((first adj fiber\$1) and (second adj fiber\$1)) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:51
-	4870	((transmission with loss) and compensat\$3) and optical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:53
-	821	((transmission with loss) and compensat\$3) and optical) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:54
-	768	((transmission with loss) and compensat\$3) and optical) and clock) and (transmit\$4 and receiv\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 10:55
-	304	(serial\$3 and parallel) and (((transmission with loss) and compensat\$3) and optical) and clock) and (transmit\$4 and receiv\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:15
-	228377	(error or fault) with detect\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:16
-	3412	(transmission with loss) and ((error or fault) with detect\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:16
-	0	((transmission with loss) and ((error or fault) with detect\$3)) and (398/\$7.ccls)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:16
-	2441	((transmission with loss) and ((error or fault) with detect\$3)) and (fiber\$1 or path\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:17
-	1106	((transmission with loss) and ((error or fault) with detect\$3)) and (fiber\$1 or path\$1)) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:17
-	879	((transmission with loss) and ((error or fault) with detect\$3)) and (fiber\$1 or path\$1)) and clock) and (serial\$3 or parallel)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/26 11:17

-	451	(((((transmission with loss) and ((error or fault) with detect\$3)) and (fiber\$1 or path\$1)) and clock) and (serial\$3 or parallel)) and optical	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/09/26 11:24
-	0	20010021051.URPN.	USPAT	2003/09/26 11:20
-	68	(398/162).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/09/26 11:24
-	4	("4358858"   "5075792"   "5517608"   "5528409").PN.	USPAT	2003/09/26 11:32
-	106017	("PLL") or (phase with (lock\$2 or loop))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 12:05
-	144686	parallel and serial	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 12:05
-	469955	clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 12:05
-	1756472	error or correct or compensat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 12:06
-	475264	driver\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 14:03
-	3247	((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and driver\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 14:04
-	1273282	(transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 12:07
-	2776	((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and driver\$1) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 14:04
-	2364	((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and driver\$1) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3))) and synchroniz\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 14:03
-	35	(((((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and driver\$1) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3))) and synchroniz\$5) and (398/\$7.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/12/03 14:03

-	7	((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and driver\$1) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3))) and synchroniz\$5) and (359/\$7.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 14:03
-	14482	driver\$1 with (optical or photonic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 14:04
-	178	((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and (driver\$1 with (optical or photonic))) and ((transmit\$4) and (receiv\$3 or diode\$1 or photodetector\$1 or detect\$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 14:05
-	212	((("PLL") or (phase with (lock\$2 or loop))) and (parallel and serial) and clock and (error or correct or compensat\$3) and (driver\$1 with (optical or photonic)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 15:09
-	32	((("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752") or ("4473901"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 15:28
-	69	398/162.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 15:11
-	4	("4358858"   "5075792"   "5517608"   "5528409").PN.	USPAT	2003/12/03 15:20
-	1037	(parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 15:30
-	603	((parallel with serial) with (clock) with (transmit\$4 or diode\$1 or photodiode\$1)) and (compensat\$3 or correct\$1 or error\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 15:56
-	39	((398/123,137,147,195,206,208).CCLS.) and (parallel and serial\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 16:10
-	13	("3995120"   "4759018"   "5018142"   "5420583"   "5426527"   "5459607"   "5544161"   "5553064"   "5563815"   "5610911"   "5631757"   "5644622"   "5694232").PN.	USPAT	2003/12/03 16:06
-	655	hei.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 16:13
-	655	hei.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 16:14



-	34	((("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752") or ("4473901") or ("4290146"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 14:22
-	481	(398/123,137,147,195,206,208).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 16:39
-	346	((398/123,137,147,195,206,208).CCLS.) and @ad<=19991229	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 18:14
-	8	((("6292284") or ("5706112") or ("5677779") or ("5506716"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 18:17
-	12	((("5018142") or ("4744082") or ("5606317") or ("6628214") or ("4290146") or ("6559892"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 18:15
-	10	((("6292284") or ("5706112") or ("5677779") or ("5506716") or ("6559892"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/03 18:18
-	22	((("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("4225752") or ("5561542") or ("4473901") or ("5473636"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 10:58
-	0	(359/192).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 10:59
-	0	359/192.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 10:59
-	191	359/208.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 13:54
-	2	("6628214").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 13:54
-	5	("4606022"   "4694294"   "4706245"   "5426644"   "5818846").PN.	USPAT	2003/12/04 13:55
-	34	((("5473636") or ("4727592") or ("5018142") or ("4744082") or ("5606317") or ("6628214") or ("5793510") or ("5710650") or ("5898512") or ("6433904") or ("6166839") or ("5299044") or ("5541759") or ("5561542") or ("4225752") or ("4473901") or ("4290146"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/04 14:22



-	3543	(parallel and serial and (invert\$2 or complement\$2) and clock) and ("PLL" or (phase with lock\$2 with loop\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:06
-	114	((parallel and serial and (invert\$2 or complement\$2) and clock) and ("PLL" or (phase with lock\$2 with loop\$1))) and latch and serializer\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:06
-	292	((parallel and serial and (invert\$2 or complement\$2) and clock) and ("PLL" or (phase with lock\$2 with loop\$1))) and latch and serializ\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:07
-	5929	parallel and serial and ((invert\$2 or complement\$2) with clock)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:14
-	468	parallel and serializ\$3 and ((invert\$2 or complement\$2) with clock)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:14
-	7080	parallel and (serializ\$3 or serial\$5) and ((invert\$2 or complement\$2) with clock)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:15
-	4298	(parallel and (serializ\$3 or serial\$5) and ((invert\$2 or complement\$2) with clock)) and latch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:15
-	2984	((parallel and (serializ\$3 or serial\$5) and ((invert\$2 or complement\$2) with clock)) and latch) and transmit\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:16
-	7080	parallel and (serializ\$3 or serial\$5) and ((invert\$2 or complement\$2) with clock) and clock\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:15
-	67	((parallel and (serializ\$3 or serial\$5) and ((invert\$2 or complement\$2) with clock)) and latch) and transmit\$4 and serializer\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/05 11:16